

CLAIMS

1) Volumetric compressor (1) of the type comprising a pair of rotors (2) cooperating with each other and housed inside a compressor body (3) in which it is possible to identify a first flange (4) arranged on the suction side of said compressor body (3) and a second flange (5) arranged on the delivery side of said compressor body (3), said first flange (4) being suited to be coupled with a suction head (6, 7) and said second flange (5) being suited to be coupled with a delivery head (8, 9) of said volumetric compressor (1), **characterized in that** said suction head (6, 7) is provided with a first counterflange (10, 11), suited to be connected with said first flange (4), and comprises a coupling element (12) for connection to a suction pipe, or a coupling element (13) for connection to a suction pipe in combination with a motor unit (14), **and in that** said delivery head (8, 9) is provided with a second counterflange (15, 16), suited to be connected with said second flange (5), and comprises a coupling element (17) for connection to a delivery pipe, or a coupling element (18) for connection to a delivery pipe in combination with an oil separator (19).

2) Volumetric compressor (60) according to claim 1), **characterized in that** said suction head (6) comprises a coupling element (12) for connection to a suction pipe, and said delivery head (9) comprises a coupling element (17) for connection to a delivery pipe.

3) Volumetric compressor (70) according to claim 1), **characterized in that** said suction head (6) comprises a coupling element (12) for connection to a suction pipe, and said delivery head (8) comprises a coupling element (18) for connection to a delivery pipe in combination with an oil separator (19).

4) Volumetric compressor (80) according to claim 1), **characterized in that** said suction head (7) comprises a coupling element (13) for connection to a suction pipe in combination with a motor unit (14), and said delivery head (9) comprises a coupling element (17) for connection to a delivery pipe.

5) Volumetric compressor (50) according to claim 1), **characterized in that** said suction head (7) comprises a coupling element (13) for connection to a suction pipe in combination with a motor unit (14), and said delivery head (8) comprises a coupling element (18) for connection to a delivery pipe in combination with an oil separator (19).

6) Volumetric compressor (1, 50, 60, 70, 80) according to claim 1), **characterized in that** said coupling element (12, 13) for connection to a

suction pipe is constituted by a suction valve.

7) Volumetric compressor (1, 50, 60, 70, 80) according to claim 1),
characterized in that said coupling element (12, 13) for connection to a
suction pipe is constituted by a suction coupling.

5 8) Volumetric compressor (1, 50, 60, 70, 80) according to claim 1),
characterized in that said coupling element (17, 18) for connection to a
delivery pipe is constituted by a delivery valve.

9) Volumetric compressor (1, 50, 60, 70, 80) according to claim 1),
characterized in that said coupling element (17, 18) for connection to a
10 delivery pipe is constituted by a delivery coupling.

10) Volumetric compressor (1, 50, 80) according to claim 1),
characterized in that said motor unit (14) is of the semi-hermetic type.

11) Volumetric compressor (1, 50, 60, 70, 80) according to claim 1),
characterized in that it comprises fastening means (21) suited to permanently
15 connect said first and second flange (4, 5) to said first and second
counterflange (10, 11, 15, 16), respectively.

12) Volumetric compressor (1, 50, 60, 70, 80) according to claim 11),
characterized in that said fastening means (21) are constituted by screws.

13) Volumetric compressor (1, 50, 80) according to claim 1),
20 **characterized in that** said motor unit (14) is constituted by an electric motor.

14) Compressor (1, 50, 60, 70, 80) substantially according to what has
been described and represented above.

25

30

35